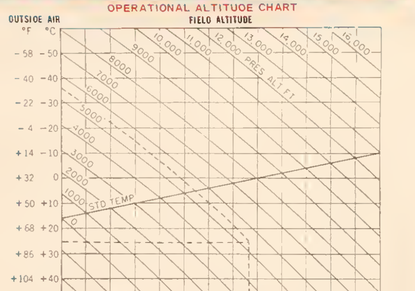
PUBLISHED BY THE
MONTANA AERONAUTICS
COMMISSION
HELENA MONTANA

OPERATIONAL ALTITUDE CHART



The following example illustrates the simple use of this chart to determine the conditions at the airport you plan to use:

Select the actual altitude of the airport to be used on the diagonal lines marked "Field Altitude" (Example: 5500 ft.). Next, select the temperature (Example: 77°F. Follow the temperature line to the right until it crosses the diagonal line (Field Altitude). From the point where these two lines cross, follow a line to the bottom of the chart and observe the operational or density altitude. (Example: 7700 ft.)

LEARN TO USE THIS CHART

Operational altitude is the calculated altitude of the air at which the aircraft is flown. Aircraft operation, as a result, may be at an altitude greater or less than the actual altitude above Sea Level

MOUNTAIN FLYING

Take off down hill on runways and land up hill. Grade is a more important factor than wind. If the wind is strong and unfavorable for take- off stay on the ground.

Remember that temperature and elevation materially affect your take-off run, landing roll, and performance of your airplane

Don't fly on hot days and keep away from thunderstorms

Montana offers recreation and scenic beauty in the mountain areas unsurpassed by any other place on earth. Flying in the mountains is practical and safe if the pilot knows the limitations of his airplane and himself and uses common sense or good judgment.

THE MONTANA AERONAUTICS COMMISSION
Helena Airport
Telephone 442-8160 P O Box 1698

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KEY TO AVIATION WEATHER REPORTS

SKY AND CEILING

Sky cover symbols are in ascending order. Figures preceded by a symbol are heights in hundreds of feet above station.

Sky cover Symbols are

0 Clear; less than 0.1 sky cover.
@ Scattered 0.1 to less than 0.6 sky cover.
B Broken 0.6 to 0.9 sky cover.
O Overcast More than 0.9 sky cover.
(Has (Wx is ceiling to the above symbols.)
X Partial Obscuration 0.1 to less than 1.0 sky hidden by partial obscuration to station (hases at surface).
X Obscuration 1.0 sky hidden by precipitation or obstruction to vision (hases at surface).

letter preceding height of layer identifies ceiling layer, and indicates how ceiling height was obtained. Thus

A Altarati
B Balloon (Pilot or ceiling).
D Estimated height of ci rd erm clouds on basis of persistency.
E Estimated heights of noncriticism clouds
M Measured
R Radiosonde Balloon or Radar
W Indefinite
U Height of ci stration ceiling layer unknown
Height of ceiling layer unknown, ceiling layer unknown.
'V' Immediately following numerical value indicates a variable ceiling.

VISIBILITY

Reported in Statute Miles and Fractions. (V = Variable)

WEATHER SYMBOLS

A Hail	L Drizzle	SP Snow Pellets	
AP Small Hail	R Rain	SW Snow Showers	
E Sleet	RW Rain Showers	T Thunderstorm	
EW Sleet Showers	S Snow	ZL Freezing Drizzle	
IC Ice Crystals	SG Snow Grains	ZR Freezing Rain	

INTENSITIES are indicated thus

-- Very Light - Light (no sign) Moderate +Heavy

-- S Indicates that report contains important change.

OBSTRUCTION TO VISION SYMBOLS

O	Dust	H	Haze	BD	Blowing Dust
F	Fog	IF	Ice Fog	BN	Blowing Sand
GF	Ground Fog	K	Smoke	BS	Blowing Snow

WIND

Direction in ten's of degrees from true north, speed in knots. 0090 indicates calm. Gin dicates gusty. Peak speed of gusts follow G or O when speed is reported. The contraction WSHFT follo ed by local time group in remarks indicates windshift and its time of occurrence.

EXAMPLES
3627 360 Degrees, 27 Knots.
0127 010 Degrees, 27 Knots.
1027 100 Degrees, 27 Knots.
3627G40 360 Degrees, 27 Knots. Peak speed in gusts 40 Knots.

ALTIMETER SETTING

The first figure of the actual altimeter setting is always omitted from the report.

RUNWAY VISUAL RANGE (RVR)

RVR is reported only from selected stations. The value reported is a 10- minute mean of the visual range in hundreds of feet.

CODED PIREPS

Pilot reports of clouds not visible from ground are coded with MSL height data preceding and/or following sky cover symbol to indicate cloud base and/or tops, respectively.

DECODED REPORT

Helena Specisl observation, 1500 feet scattered clouds, measured ceiling 2500 feet overcast, visibility 4 miles, light rain, smoke, sea level pressure 1013.2 millibars, temperature 58°F, dewpoint 56°F, wind 180°, 7 knots, altimeter setting 29.93 inches, Runway Visual Range 2200 feet; pilot report 1500 feet overcast 5500 feet, rain began 5 minutes past the hour, overcast variable to clear.

KEY TO AVIATION WEATHER FORECASTS

TERMINAL FORECASTS contain information for specific airports on ceiling, cloud heights, cloud amounts, visibility, weather condition and wind. They are written in a form similar to the AVIATION WEATHER REPORT.

CEILING Identified by the letter "C"

CLOUD HEIGHTS In hundreds of feet above the station

CLOUD LAYERS Stated in ascending orders of height

Examples of TERMINAL FORECASTS

C1S@ — Ceiling 1500', broken clouds.

C1S@6K — Ceiling 1500', overcast, visibility 6 miles, smoke.

20@C70@32 30G— Scattered clouds at 2000', ceiling 7000' broken, surface wind 320 degrees 20 knots, gusts.

O11/2G F — Clear, visibility one and one- half miles, ground fog.

C5K1/4S — Sky obscured, vertical visibility 500, visibility one- fourth mile, moderate snow.

VISIBILITY In statute miles, but omitted if over 8 miles

SURFACE WIND In tens of degrees and knots, omitted when less than 10.

AIRMET advisories of significant weather conditions of less severity than SIGMET but which may be hazardous to flight circuits. Both types of advisories are broadcast by FAA on HAWAS on voice channels.

WINDS ALOFT FORECASTS provide a 12- hour forecast of wind conditions at selected flight levels. Temperatures aloft are included for selected stations.

Examples of WINDS ALOFT FORECASTS

Without Temperatures:

5- 2030 = 5,000 MSL wind from 200° at 30 knots

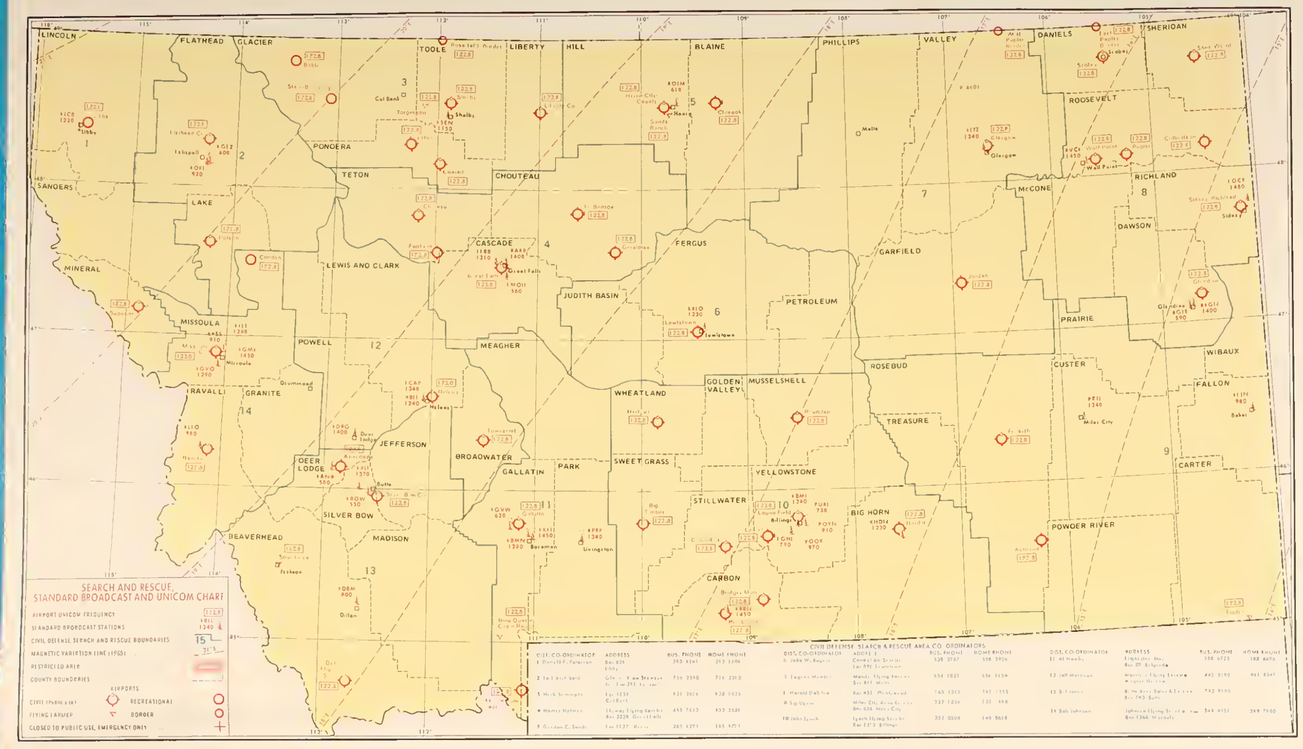
With Temperatures:

10- 2540/3+ 10,000 MSL wind from 250° at 40 knots, Temperature + 3°C

PILOTS report in- flight weather to nearest FSS.

AREA FORECASTS are 12- hour forecasts of cloud and weather conditions, cloud tops, fronts, icing and turbulence for an area. The title of each area is selected, A 12- hour OUTLOOK is added. Heights of cloud tops, icing, and turbulence are above SEA LEVEL

SIGMET advises aircraft in flight of severe or extreme weather which is considered hazardous to all aircraft.



SEARCH AND RESCUE, STANDARD BROADCAST AND UNICOM CHART

AIRPORT UNICOM FREQUENCY 122.8
STANDARD BROADCAST STATIONS 1240 K
CIVIL DEFENSE SEARCH AND RESCUE BOUNDARIES 15
MAGNETIC VARIATION LINE 1965 15°
RESTRICTED AREA
COUNTY BOUNDARIES

AIRPORTS
CIVIL (PUBLIC USE) — RECREATIONAL
FLYING FARMER — BORDER
CLOSED TO PUBLIC USE, EMERGENCY ONLY

CIVIL DEFENSE SEARCH & RESCUE AREA CO. ORDINATORS

DIST. CO-ORDINATOR	ADDRESS	BUS. PHONE	HOME PHONE
1 Charles H. Pearson	Box 829 Libby	293-4161	293-5186
2 Ted Koch Sand	Box 1159 Cut Bank	336-2390	336-2390
3 Merle Symington	Box 1159 Cut Bank	338-2626	338-1624
4 Harry Nyhus	11 Lewis Flying Service Box 2228 Great Falls	453-7613	453-3589
5 Gordon C. Sands	Box 1127 Havre	265-4291	265-4711

DIST. CO-ORDINATOR	ADDRESS	BUS. PHONE	HOME PHONE
6 Eugene Mendel	Box 1127 Havre	265-4291	265-4711
7 Harold DeShane	Box 1159 Cut Bank	338-2626	338-1624
8 Virgil Sylvester	Box 1159 Cut Bank	338-2626	338-1624
9 Ted Sylvester	Box 1159 Cut Bank	338-2626	338-1624
10 John Lynch	Box 1159 Cut Bank	338-2626	338-1624

CIVIL DEFENSE SEARCH & RESCUE AREA CO. ORDINATORS			
ADDRESS	BUS. PHONE	HOME PHONE	
Cenex Bldg. Services Box 1595 Billings	538-3287	538-3926	
Wendel Flying Service Box 865 Wolf Point	654-1021	654-1154	
Box 983 Miles City	765-1315	765-1315	
Miles City Airport Co., Inc. Box 1554 Miles City	232-1304	232-1304	
Lynch Flying Service Box 1373 Billings	252-5004	248-8618	

DIST. CO-ORDINATOR	ADDRESS	BUS. PHONE	HOME PHONE
E. Al Meeds	Flight Str. Box 89 Livingston	388-6723	222-8670
Ed Hoffman	Missouri Flying Service Airport Bldg.	442-3190	442-8369
Ed Simmons	Box 743 Sidney	742-9195	
Bob Johnson	Johnson Flying Service Box 1368 Wolf Point	568-4151	339-7100

Meadow Creek	47°51'	113°25'	3975
10 S-E Si			
Medicine Lake	48°32'	104°32'	1990
Mees City	46°26'	105°57'	2628
Missoula	46°55'	114°05'	3703
Monarch Bardel Ophem Plains	48°52'	106°25'	3264
	47°28'	114°54'	2460
Monida	44°49'	112°28'	6823
Moore	47°01'	109°48'	3572
Mosby	46°58'	108°12'	2360
Mosquito	48°39'	105°19'	2400
Mount Haggin	46°03'	113°09'	6200
Mud Lake	47°38'	114°31'	4200
Musselshell	46°27'	108°32'	3200
Nashua	48°08'	106°22'	2294
Nelson	48°49'	114°20'	3625
Nevada	46°52'	112°42'	6000
Nine Mile	47°01'	114°58'	3200
Noxon	48°03'	115°47'	2200
Oilmont	48°32'	110°07'	3200
Opheim	48°52'	106°25'	3264
Outlook	48°04'	105°01'	2100
Pablo	47°24'	114°06'	3200
Paradise	47°30'	114°54'	3200
Peerless	48°49'	105°33'	2200
Pendroy	48°06'	112°11'	4200
Phillipsburg	46°20'	113°54'	6200
Pinesdale	46°05'	114°08'	5200
Plentywood	48°47'	104°32'	2250
Polebridge	48°49'	114°20'	3625
Polson	47°41'	114°11'	2932
Poplar	48°07'	105°11'	2000
Red Lodge	45°11'	109°16'	5762
Richey	47°38'	105°05'	2934
Ronan	47°34'	114°06'	3089
Roundup	46°26'	108°33'	3498
Ryegate	45°17'	109°15'	3700
St. Ignatius	47°20'	114°05'	2990
Schafer Meadow (USFS)	48°05'	113°15'	4855
Scobey	48°48'	105°26'	2432
Seeley Lake	47°11'	113°27'	4037
Shelby	48°32'	111°52'	3425
Sidney	47°02'	104°11'	1917
Spotted Bear (USFS)	48°07'	113°34'	3800
Stanford	47°09'	110°14'	4285
Stevensville	46°32'	114°02'	3620
Sunburst	48°52'	111°55'	3395
Superior	47°12'	114°51'	2777
Sweetgrass	49°00'	111°58'	3550
Terry	46°47'	105°18'	2260
Thompson Falls	47°34'	115°17'	2460
Three Forks	45°52'	111°34'	4060
Tiber Dam	48°12'	111°07'	3012
Townsend	46°25'	111°34'	6000
Townsend (Canyon Ferry)	46°20'	111°29'	4000
Troy USFS lumber	48°29'	115°54'	2017
Twin Bridges	45°32'	112°18'	4772
Valier	48°18'	112°15'	3820
West Poplar (USFS)	48°09'	105°25'	2873
Wheatland	46°44'	111°07'	6644
Whitefish	48°24'	114°19'	3063
White Sulphur Springs	46°31'	110°55'	5060
Winifred Wisdom	47°33'	109°23'	3220
	45°35'	113°28'	6126
Wolf Creek	46°37'	111°58'	3635
Wolf Point	48°05'	105°35'	1980

Eureka	48°52'	115°05'	2680
Fairfield	47°27'	111°58'	3990
Forsyth	46°16'	106°37'	2728
Fort Benton	47°50'	110°39'	2885
Fort Peck	48°01'	106°29'	2294
9 Bueeles Circle Ranch	45°54'	111°17'	1000
Geddes	45°52'	110°44'	5300
Geraldine	47°35'	110°16'	3200
Glasgow	48°12'	106°37'	2298
Glendive	47°08'	104°41'	2126
Great Falls	47°29'	111°22'	3671
Hamilton	46°15'	114°07'	3640
Hardin Fairgrounds Airpark	45°43'	107°36'	2911
Haslem	48°34'	108°48'	2560
Harlowton	46°27'	109°51'	4214
Havre	48°32'	109°45'	2589
Helena	46°36'	112°00'	5018
Hinsdale Hogeland Hol Springs	48°23'	107°55'	2180
	48°08'	108°42'	2150
	47°37'	114°37'	2263
Jordan	47°20'	106°56'	2662
Kalispell (City Field) Kalispell (County)	48°11'	114°18'	2935
Laurel	45°41'	108°45'	3515
Lavina Lewistown	46°18'	108°57'	3499
	47°03'	109°28'	4197
Libby	48°24'	115°32'	2096
Lincoln	46°58'	112°39'	4597
Livingston	45°42'	110°26'	4656
Malta	48°21'	107°52'	2260
Meadow Creek 10 S-E Si	47°51'	113°25'	3975
Medicine Lake	48°32'	104°32'	1990
Mees City	46°26'	105°57'	2628
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Musselshell	46°27'	108°32'	3200
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Nelson	48°49'	114°20'	3625
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Nine Mile	47°01'	114°58'	3200
Noxon	48°03'	115°47'	2200
Oilmont	48°32'	110°07'	3200
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Winifred	47°33'	109°23'	3220
Wisdom	45°35'	113°28'	6126
Wolf Creek	46°37'	111°58'	3635
Wolf Point	48°05'	105°35'	1980

SECTIONALS COVERING MONTANA CHART

REQUIREMENTS FOR USE OF MONTANA PILOT FLIGHT PLAN

1. ALL Pilots must be registered and have a Montana registration number.
2. If not able to file by radio, pilots at Non- Flight Service Station points in Montana are authorized to call Flight Service Station Point Collect to file or close Flight Plan.
3. No calls will be accepted from a point served by the Federal Aviation Agency, Flight Service Station.
4. No restrictions are placed on either Private or Commercial Flights.
5. Only Montana Flight Service Stations (who hold credit cards) will accept calls.
6. Federal Aviation Agency- Flight Service Station will accept only calls for filing or closing flight plans.
7. Pilot 1st non- Flight Service Station Airport) places Collect phone call to nearest Flight Service Station: stating "This is a collect call- Montana Pilot Flight Plan."
8. Please avoid calling during weather broadcast.

FAA FLIGHT SERVICE STATIONS

Bozeman	586-6520	Helena	442-9902
Billings	245-5053	Lewistown	538-3639
Butte	723-3004	Livingston	222-2411
Cut Bank	938-4522	Miles City	232-1503
Dillon	683-5651	Missoula	542-2230
Great Falls	453-3183		

FILE A FLIGHT PLAN

1. Type of Flight Plan
2. Aircraft Identification
3. Aircraft Type
4. True Airspeed
5. Departure Time
6. Initial Cruising Altitude
7. Point of Departure
8. Route of Flight
9. Destination
10. Estimated Time En Route
11. Fuel on Board
12. Alternate Airport
13. Remarks
14. Pilot's Name
15. Pilot's Address
16. No. of Persons Aboard
17. Color of Aircraft
18. Flight Watch

MONTANA MUNICIPAL/RECREATIONAL AIRPORT DIRECTORY LISTING

Use the Montana Airport Directory to supplement this Chart

AIRPORT INDEX LEGEND OF FACILITIES

Longest Runway - Example (56) - 5600 feet
(1) Single Runway
(2) Two Runways etc
(H) Hard Surface (H2) Two Runways Hard Surfaced
(R) Radio Communications
(L) Lighted
(F) Gasoline Available (F1) 80/87, (F2) 91/96, (F3) 100/130, (F4) Jet Fuel
(S) Hangar Storage
(A) Attended
(M) Mechanic Available
(E) Restaurant
(T) Transportation
(U) Unicom - 122.8 or 123.0
(W) U.S. Weather Bureau Information

City	Lat - Long	Elev	Facilities	Tourist Interest
Anaconda	46°08' - 112°52'	5010	40, 1, F1- 3, A, T, U	Fish, Hunt, Smelter
Ashland	45°36' - 106°16'	2931	40, 2, F1, A, U	Indian Mission, Hunting
Augusta	47°27' - 112°22'	4145	42, 1	Hunt, Fish
Babb	48°51' - 113°26'	4500	40, 1	Glacier National Park
Baker	46°22' - 104°15'	2990	35, 3, H2, L, F1- 3, A, M, E, T, U	Hunting, Oil Fields
Big Sandy	48°12' - 110°07'	2700	24, 2, L, F1	Hunt
Big Timber	45°48' - 109°59'	4482	40, 2, L, F1- 3, A, M, E, T, U	Hunt & Fish
Billings	45°48' - 108°32'	3505	66, 3, H3, R, L, F1- 2- 3- 4, S, A, M, E, T, U, W	Hunt, Fish, Industry
Boulder	46°13' - 112°07'	5068	39, 1, E, T	Hunt, Fish, State Trenning School
Bozeman	45°47' - 111°09'	4462	65, 3, H2, R, L, F1- 3, S, A, M, E, T, U, W	Skiing, Hunt, Fish, State University
Bridger	45°17' - 108°56'	3720	26, 1, F1- 3, E, U	Hunt and Fish
Browning	48°36' - 113°04'	4650	40, 1, U	Glacier National Park
Butte	45°57' - 112°30'	5554	68, 3, H3, R, L, F1- 3, S, A, M, E, T, U, W	Hunt, Fish, Mining
Chester	48°30' - 110°59'	3187	32, 1, H, L, F1- 2, E, U	Hunt, Ranching
Chinook	48°35' - 109°19'	2410	39, 1, H, L, F1, E, U	Indian Bettleground, Hunt
Choteau	47°49' - 112°10'	3945	27, 2, H1, L, F1- 3, A, M, U	Hunt, Fish
Circle	47°25' - 105°33'	2424	26, 2, L, F1	Hunt, Oil Fields
Clinton	46°43' - 113°39'	3560	40, 1, E, T	Hunt, Fish
Columbus	45°38' - 109°15'	3375	26, 1, H, L, F1, U	Hunt, Fish
Condon (USFS)	47°52' - 113°42'	3580	26, 1, U	Hunt, Fish
Conrad	48°10' - 111°58'	3537	36, 2, H1, L, F1- 3, A, U	Hunt, Fish
Culbertson	48°09' - 104°30'	1960	26, 3, L, F1- 3, A, M, E, T, U	Hunt, Fish
Cut Bank	48°37' - 112°23'	3854	62, 2, H2, R, L, F1- 3, S, A, M, T, U, W	Oil Fields
Deer Lodge	46°22' - 112°48'	4700	26, 1, L, F1	Hunt, Fish, State Prison
Dell	44°44' - 112°43'	6114	34, 1, H, L	Hunt, Fish, Clark Canyon Dam
Denton Dillon	47°18' - 109°59'	3850	26, 2, F1, A	Hunt, Fish
	45°15' - 112°32'	5736	60, 3, H1, R, L, F1- 2, A, T, W	Western College of Education, Hunt, Fish
Drummond	46°37' - 113°12'	4245	26, 1, R	Early Mining Camps Hunt, Fish
Dutton	47°51' - 111°41'	3712	31, 1, F1	Hunt
East Poplar	48°00' - 105°09'	2415	32, 2, A, U	Border Crossing
Eastlake	45°53' - 104°31'	3485	34, 1	Medicine Rocks State Park, Hunt
Ennis	45°21' - 111°44'	4865	36, 1, F1- 3, A, E, T,	Virginia City Hunt, Fish

City	Lat - Long	Elev	Facilities	Tourist Interest
Eureka	48°52' - 115°05'	2680	30, 2, L, F1	Hunt, Fish
Fairfield	47°27' - 111°58'	3990	36, 2, F3, U	Hunt
Forsyth	46°16' - 106°37'	2728	29, 2, H1, L, U	Hunt, Fish
Fort Benton	47°50' - 110°39'	2885	34, 3, H1, L, F1- 3, A, M, U	Old Fort, Fish, Hunt
Fort Peck	48°01' - 106°29'	2294	33, 2	Largest Earth Dam, Fort Peck Reservoir, Hunt, Fish
9 Bueeles Circle Ranch	45°54' - 111°17'	1000	32, 1, R, E, T, U	Dude Ranch, Hunt, Fish
Geddes	45°52' - 110°44'	5300	32, 1	Yellowstone National Park, Hunt, Fish
Geraldine	47°35' - 110°16'	3200	29, 1, H, L, F1, U	Hunt
Glasgow	48°12' - 106°37'	2298	50, 2, H2, L, F1- 3, S, A, E, T, U, W	Air Force Base, Fort Peck Reservoir
Glendive	47°08' - 104°41'	2126	45, 2, H1, L, F1- 3, A, M, E, T, U	Hunt, Mekasshie State Park, Junior College
Great Falls	47°29' - 111°22'	3671	90, 3, H3, L, F1- 2- 3- 4, R, S, A, M, E, T, U, W	Glani Springs, Russell Gallery, Air Force Base Smelter, Industry
Hamilton	46°15' - 114°07'	3640	42, 1, H, L, F1- 3, A, M, E, U	U S Tick Fever Lab Hunt, Fish
Hardin Fairgrounds Airpark	45°43' - 107°36'	2911	32, 1, H, F3- 3, A, M, E, U	Custer Battlefield Hall Monument, Indian Reservation, Sugar Beet Factory, Yellowtail Dam
Haslem	48°34' - 108°48'	2560	35, 1, H, F1	Fort Belknap Indian Reservation
Harlowton	46°27' - 109°51'	4214	42, 3, L, U	Deadmans Basin Recreation area, Hunt, railroad
Havre	48°32' - 109°45'	2589	47, 2, H2, L, F1- 3, S, A, M, E, T, U	Fort Assiniboine, Northern Montana College
Helena	46°36' - 112°00'	5018	39, 1, H, L, F1, T, U	State Capitol, Canyon Ferry Dam & Recreation area
Hogeland Hol Springs	48°08' - 108°42'	2150	21, 2, L, E	Sacs Red Springs Hunt
	47°37' - 114°37'	2263	25, 1, L, F1	Mineral Springs, Recreation, Camping, Hunt
Jordan	47°20' - 106°56'	2662	26, 2, H, U	Hunt, Fish, Garnet Ghost Town
Kalispell (City Field) Kalispell (County)	48°11' - 114°18'	2935	32, 1, F1- 3, A, M, E, T, U, W	Lone Pine State Park, Flathead Lake
	48°19' - 114°17'	2971	56, 3, H3, L, F1- 3, S, A, M, E, T, U, W	Lone State Park, Flathead Lake, Glacier National Park, Shiloh Battle Ground Memorial, Oil Industries Hunt
Laurel	45°41' - 108°45'	3515	28, 3, H1, F3- 3, T, U	Chief Plenty Coups
Lavina Lewistown	46°18' - 108°57'	3499	35, 1	Winter Sports Area, Early Mining Camps, Fish
	47°03' - 109°28'	4197	56, 3, H3, R, L, F1- 3, S, A, M, E, T, U, W	Lumber Industries, Winter Sports Area
Libby	48°24' - 115°32'	2096	27, 1, U	Hooper State Park, Hunt, Fish
Lincoln	46°58' - 112°39'	4597	40, 1, H	Hooper State Park, Hunt, Fish
Livingston	45°42' - 110°26'	4656	42, 3, H1, R, L, F1- 3, S, A, M, T, W	Yellowstone Hall Park, Hunt, Fish, Railroading
Malta	48°21' - 107°52'	2260	28, 2, H1, L, F1- 3, A, M, E, T	Nelson Reservoir Recreation Area, Lake Bowdoin Migratory Waterfowl Refuge, Bird Hunt, Fish, Bob Marshall Wilderness Area, Camp
Meadow Creek 10 S-E Si	47°51' - 113°25'	3975	30, 1	National Wildlife Refuge, Hunt
Medicine Lake	48°32' - 104°32'	1990	25, 2, L	Range Riders Museum Site
Mees City	46°26' - 105°57'	2628	56, 2, H2, R, L, F1- 2- 3- 4, S, A, M, E, W	Industrial School, Oil, Hunting, Fort Kreigh
Missoula	46°55' - 114°05'	3703	54, 4, H4, R, L, F1- 2- 3, S, A, M, E, T, U, W	University of Montana Winter Sports Area, Hunt, Fish
Monarch Bardel Ophem Plains	48°52' - 106°25'	3264	31, 3, L, F1	Border Crossing
	47°28' - 114°54'	2460	29, 2, L	U S A F Radar Hunt, Fish
Monida	44°49' - 112°28'	6823	30, 2, L, F1	Hunt, Fish
Moore	47°01' - 109°48'	3572	26, 1, L, F1	Hunt, Fish, Dude Ranch, Glacier Nat'l Park
Mosby	46°58' - 108°12'	2360	30, 1, H, L, F1- 3, A, M, U	Flathead Lake State Park, Fish, Keni Dam, Water Sports
Mosquito	48°39' - 105°19'	2400	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Mount Haggin	46°03' - 113°09'	6200	32, 1, H, E, T, U	Dude Ranch, Hunt, Fish
Mud Lake	47°38' - 114°31'	4200	32, 1	Yellowstone National Park, Hunt, Fish, Coeur D'Alene Lake
Musselshell	46°27' - 108°32'	3200	32, 1	Hunt, Fish
Nashua	48°08' - 106°22'	2294	33, 2	Hunt, Fish
Nelson	48°49' - 114°20'	3625	31, 1	Hunt, Fish, Dude Ranch, Glacier Nat'l Park
Nevada	46°52' - 112°42'	6000	25, 1, L, F1- 2, A, M, T, U	Flathead Lake State Park, Fish, Keni Dam, Water Sports
Nine Mile	47°01' - 114°58'	3200	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Noxon	48°03' - 115°47'	2200	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Oilmont	48°32' - 110°07'	3200	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Opheim	48°52' - 106°25'	3264	31, 3, L, F1	Border Crossing
Outlook	48°04' - 105°01'	2100	30, 1, L, F1	Hunt, Fish, Oil
Pablo	47°24' - 114°06'	3200	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Paradise	47°30' - 114°54'	3200	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Peerless	48°49' - 105°33'	2200	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Pendroy	48°06' - 112°11'	4200	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Phillipsburg	46°20' - 113°54'	6200	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Pinesdale	46°05' - 114°08'	5200	30, 1, H, L, F1- 3, A, M, T, U	Hunt, Fish, Oil
Plentywood	48°47' - 104°32'	2250	32, 2, H1, L, F1- 3, A, M, T, U	Hunt
Polebridge	48°49' - 114°20'	3625	31, 1	Hunt, Fish, Dude Ranch, Glacier Nat'l Park
Polson	47°41' - 114°11'	2932

MONTANA AERONAUTICAL CHART

RADIO FACILITY

VHF OMNI RANGE (VOR) Radials are magnetic from the station

AIRPORT TOWER BOX

AIRPORT CONTROL ZONE

TACAN FACILITY

ROTATING BEACON White alternate flash every five seconds (24H)

RESTRICTED AREA

ILS LOCALIZER COURSE WITH MAGNETIC BEARING TOWARD THE STATION Transmitted with ILS

ILS FREQUENCY MHz

MAN MADE OBSTRUCTION Above 500' (152)

MAN MADE OBSTRUCTION Above 500' (152)

VOR FREQUENCY

NDB FREQUENCY

TACAN CHANNEL

NON DIRECTIONAL BEACON (NDB)

FAN MARKER AND/OR (TRANSITION AREA Radio Central Fixed Extension Provides a flow of 1200 ft (366 m) ground level (AGL) where obstructions are cleared

EARHOLTE AIRWAY RADIAL Airways have a flow of 700 above ground level (AGL) unless otherwise stipulated

NON COMPULSORY REPORTING POINT

COMPULSORY REPORTING POINT

ALTERNATE AIRWAY RADIAL

CITIES

TOWNS

VILLAGES

PACE TRACKS

MINES AND QUARRIES

MOUNTAIN ELEVATIONS 6815

FOREST LOOKOUT TOWER (Occasionally Manned) 6550

HIGHWAY Multilane Undivided

HIGHWAY Secondary

RAILROAD Single Track

RAILROAD Multiple Track

MOUNTAIN PASSES

AIRPORTS

CIVIL (Public Use)

MILITARY

RECREATIONAL

BORDER

FLYING FARMERS, RANCHERS, AND PRIVATE FIELDS

CLOSED TO PUBLIC USE, EMERGENCY ONLY

MAGNETIC VARIATION LINE (1 DEG)

RAS - AIRPORT ADVISORY SERVICE Available thru nearest FSS

Compiled and designed by Charles A. Lopez Aug. 31, 1950

FAA WEATHER STATIONS

Continuous automatic transcribed broadcast service on the following HOF:

BILLINGS	BIL	400 Kc
BOZEMAN	BZN	329 Kc
CRUTTAIRLS	GTF	371 Kc
MILES CITY	MLS	320 Kc
MISSOULA	MSO	308 Kc

Aeronautical data on this chart is up to date to at Oct. 16 1950 Consult latest edition for navigation for status of facility

Please report the Montana Aeronautics Commission of corrections and additions noted in using this chart

Scale One inch equals 16 statute miles

STATUTE MILES
NAUTICAL MILES